

PTO-1449 <b>Information Disclosure Citation in an Application</b>	Patent No. 09/870,711	Applicant(s) Michael I. Catherwood	
	Docket Number 068354.1446	Group Art Unit 2124	Filing Date June 1, 2001

## U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A.	3771146	11/73	Cotton et al.	710	260	
B.	3781810	12/25/73	Downing	712	228	
C.	3886524	5/75	Appelt, Daren R.	710	110	
D.	4025771	5/77	Lynch et al.	708	521	
E.	4074353	2/78	Woods et al.	710	264	
F.	4090250	5/78	Carlson et al.	712	234	
G.	4379338	4/83	Nishitani et al.	708	552	
H.	4398244	8/9/83	Chu et al.	712	244	
I.	4451885	5/84	Gerson et al.	708	200	
J.	4472788	9/18/84	Yamazaki	708	209	
K.	4481576	11/6/84	Bicknell	711	217	
L.	4488252	12/11/84	Vassar	708	505	
M.	4511990	4/16/85	Hagiwara et al.	708	501	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
N.	0 855 643 A1	29-07-98	EP				
O.	0 554 917 A2	11-08-93	EP				
P.							

RECEIVED  
JUL 22 2004

## NON-PATENT DOCUMENTS

Technology Center 2100

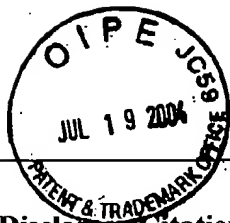
	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
Q.	Moon B I et al.: "A 32-bit RISC Microprocessor with DSP Functionality: Rapid Prototyping" IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, Institute of Electronics Information and Comm. Eng. Tokyo, JP, vol. E84-A no. 5, pages 1339-1347, XP001060025 ISSN: 0916-8508	May 2001
R.	Turley J.: "Balancing Conflicting Requirements When Mixing RISC, DSPs" Computer Design, Pennwell Publ. Littleton, Massachusetts, IS, vol. 37, no. 10, pages 46, 48, 50-53, XP000860706 ISSN: 0010-4566	October 1998
S.	Levy M.: "Microprocessor and DSP Technologies Unite for Embedded Applications" EDN Electrical Design News, Cahners Publishing Co., Newtown Massachusetts, US, no. Europe, pages 73-74, 76, 78-80, XP000779113 ISSN: 0012-7515	2 March 1998
T.		

EXAMINER <i>D. H. Malzahn</i>	DATE CONSIDERED <i>9/17/04</i>
----------------------------------	-----------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PTO-1449		Patent No. 09/870,711		Applicant(s) Michael I. Catherwood				
<b>Information Disclosure Citation in an Application</b>		Docket Number 068354.1446		Group Art Unit 2124	Filing Date June 1, 2001			
<b>U.S. PATENT DOCUMENTS</b>								
		<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>FILING DATE</b>	
	A.	4556938	12/3/85	Parker et al.	712	241		
	B.	4626988	12/2/86	George	712	241		
	C.	4730248	3/8/88	Watanabe et al.	712	228		
	D.	4779191	10/88	Greenblatt, Richard	711	2		
	E.	4782457	11/1/88	Cline	708	205		
	F.	4807172	2/21/89	Nukiyama	708	209		
	G.	4829460	5/9/89	Ito	708	209		
	H.	4829420	5/9/89	Stahle	711	200		
	I.	4841468	6/89	Miller et al.	708	625		
	J.	4839846	6/13/89	Hirose et al.	708	497		
	K.	4872128	10/3/89	Shimizu	708	209		
	L.	4882701	11/21/89	Ishii	712	241		
	M.	4926371	5/90	Vassiliadis et al.	708	628		
<b>FOREIGN PATENT DOCUMENTS</b>								
		<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>COUNTRY</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>TRANSLATION</b>	
	N.						YES	NO
	O.							
	P.							
<b>NON-PATENT DOCUMENTS</b>								
		<b>DOCUMENT (Including Author, Title, Source, and Pertinent Pages)</b>						<b>DATE</b>
	Q.							
	R.							
	S.							
	T.							
	U.							
EXAMINER		D H. Malzahn			DATE CONSIDERED		9/13/04	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.								



PTO-1449 <b>Information Disclosure Citation in an Application</b>	Patent No. 09/870,711	Applicant(s) Michael I. Catherwood	
	Docket Number 068354.1446	Group Art Unit 2124	Filing Date June 1, 2001

## U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	4941120	7/10/90	Brown et al.	708	497	
	B.	4943940	7/24/90	New	708	507	
	C.	4959776	9/25/90	Deerfield et al.	711	217	
	D.	4977533	12/11/90	Miyabayashi et al.	708	404	
	E.	4984213	1/8/91	Abdoo et al	365	230.03	
	F.	5007020	4/9/91	Inskeep	711	200	
	G.	5012441	4/30/91	Retter	711	217	
	H.	5032986	7/16/91	Pathak et al.	711	217	
	I.	5038310	8/6/91	Akagiri et al.	708	205	
	J.	5056004	10/8/91	Ohde et al.	712	241	
	K.	5099445	3/24/92	Studor et al.	708	209	
	L.	5101484	3/31/92	Kohn	712	241	
	M.	5117498	5/26/92	Miller, et al.	712	241	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

## NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.		
	R.		
	S.		
	T.		
	U.		

EXAMINER

D. H. Malzahn

DATE CONSIDERED

9/13/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PTO-1449 <b>Information Disclosure Statement in an Application</b>	Patent No. 09/870,711	Applicant(s) Michael I. Catherwood	
	Docket Number 068354.1446	Group Art Unit 2124	Filing Date June 1, 2001

## U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	5121431	6/92	Wiener, Michael J.	713	174	
	B.	5122981	6/16/92	Taniguchi	708	497	
	C.	5155823	10/13/92	Tsue	711	217	
	D.	5197140	3/23/93	Balmer	711	222	
	E.	5197023	3/23/93	Nakayama	708	505	
	F.	5206940	4/27/93	Murakami et al.	711	218	
	G.	5212622	5/18/93	Cocanougher et al.	708	508	
	H.	4408274	10/93	Wheatley et al	711	163	
	I.	5276634	1/4/94	Suzuki et al.	708	497	
	J.	5282153	1/25/94	Bartkowiak et al.	708	233	
	K.	5327566	7/5/94	Forsyth	710	260	
	L.	5327543	7/5/94	Miura et al.	712	224	
	M.	5379240	1/3/95	Byrne	708	209	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

## NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.		
	R.		
	S.		
	T.		
	U.		

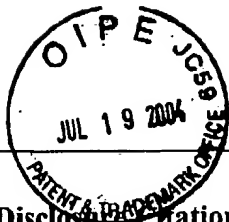
EXAMINER

D-H. Malzahn

DATE CONSIDERED

9/13/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PTO-1449 <b>Information Disclosure Statement in an Application</b>	Patent No. 09/870,711	Applicant(s) Michael I. Catherwood	
	Docket Number 068354.1446	Group Art Unit 2124	Filing Date July 19, 2001

## U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	5422805	6/95	McIntyre et al.	708	625	
	B.	5448703	9/5/95	Amini et al.	710	110	
	C.	5448706	9/5/95	Fleming et al.	711	217	
	D.	5463749	10/31/95	Wertheizer et al.	711	110	
	E.	5469377	11/21/95	Armano	708	497	
	F.	5471600	11/28/95	Nakamoto	711	5	
	G.	5497340	3/5/96	Uramoto et al.	708	552	
	H.	5499380	3/12/96	Iwata et al.	711	212	
	I.	5517436	5/96	Andreas et al.	708	524	
	J.	5548544	8/20/96	Matheny et al.	708	497	
	K.	5568380	10/96	Broadnax et al.	700	79	
	L.	5568412	10/22/96	Han et al.	708	497	
	M.	5596760	1/21/97	Ueda	712	244	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

## NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.		
	R.		
	S.		
	T.		
	U.		

EXAMINER

D.H. Malzahn

DATE CONSIDERED

9/13/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PTO-1449

**Information Disclosure Citation  
in an Application**

Patent No.

09/870,711

Applicant(s)

Michael I. Catherwood

Docket Number

068354.1446

Group Art Unit

2124

Filing Date

June 1, 2001

**U.S. PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<del>A.</del>	A.	5600813	2/4/97	Nakagawa et al.	711	217	
<del>B.</del>	B.	5619711	4/8/97	Anderson	712	221	
<del>C.</del>	C.	5642516	6/97	Hedayat et al.	710	260	
<del>D.</del>	D.	5638524	6/10/97	Kiuchi et al.			
<del>E.</del>	E.	5651121	7/22/97	Davies			
<del>F.</del>	F.	5657484	8/12/97	Scarrá			
<del>G.</del>	G.	5682339	10/28/97	Tam			
<del>H.</del>	H.	5689693	11/18/97	White	712	224	
<del>I.</del>	I.	5694350	12/2/97	Wolrich et al.	708	497	
<del>J.</del>	J.	5696711	12/9/97	Makineni	708	497	
<del>K.</del>	K.	5706460	1/6/98	Craig et al.	712	204	
<del>L.</del>	L.	5715470	2/3/98	Asano et al.	375	341	
<del>M.</del>	M.	5740095	4/98	Parant, Phillippe	708	628	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

**NON-PATENT DOCUMENTS**

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.		
	R.		
	S.		
	T.		
	U.		

EXAMINER

D. H. Malzahn

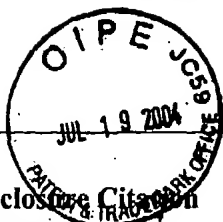
DATE CONSIDERED

9/13/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PTO-1449		Patent No. 09/870,711		Applicant(s) Michael I. Catherwood			
Information Disclosure Statement in an Application		Docket Number 068354.1446		Group Art Unit 2124	Filing Date June 1, 2001		
		U.S. PATENT DOCUMENTS					
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	5737570	4/7/98	Koch	711	149	
	B.	5740419	4/14/98	Potter	712	241	
	C.	5748516	5/5/98	Goddard et al.	708	497	
	D.	5765216	6/98	Weng et al.	711	214	
	E.	5764555	6/9/98	McPherson et al.	708	497	
	F.	5774711	6/30/98	Henry et al.	712	244	
	G.	5778416	7/7/98	Harrison et al.	711	5	
	H.	5790443	8/4/98	Shen et al.	708	491	
	I.	5808926	9/15/98	Gorshtein et al.	708	497	
	J.	5812439	9/22/98	Hansen	708	497	
	K.	5826096	10/20/98	Baxter	712	24	
	L.	5825730	10/20/98	Nishida et al.	369	443	
	M.	5828875	10/27/98	Halvarsson et al.	712	241	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	N.						
	O.						
	P.						
NON-PATENT DOCUMENTS							
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
	Q.	<div>RECEIVED</div> <div>JUL 22 2004</div> <div>Technology Center 2100</div>					
	R.						
	S.						
	T.						
	U.						
EXAMINER		D-H. Malzahn			DATE CONSIDERED		9/13/04
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							



PTO-1449

**Information Disclosure Citation  
in an Application**

Patent No.

09/870,711

Applicant(s)

Michael I. Catherwood

Docket Number

068354.1446

Group Art Unit

2124

Filing Date

June 1, 2001

**U.S. PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<del>A.</del>	A.	5862065	1/19/99	Muthusamy	708	521	
<del>B.</del>	B.	5880984	3/9/99	Burchfiel et al.	708	501	
<del>C.</del>	C.	5892697	4/6/99	Brakefield	708	496	
<del>D.</del>	D.	5892699	4/6/99	Duncan et al.	708	628	
<del>E.</del>	E.	5894428	4/13/99	Harada	708	306	
<del>F.</del>	F.	5909385	6/1/99	Nishiyama et al.	708	630	
<del>G.</del>	G.	5917741	6/29/99	Ng.	708	497	
<del>H.</del>	H.	5930503	7/27/99	Drees	713	11	
<del>I.</del>	I.	5930159	7/27/99	Wong	708	550	
<del>J.</del>	J.	5944816	8/99	Dutton et al.	712	215	
<del>K.</del>	K.	5936870	8/99	Im, Jin Hyeock	708	552	
<del>L.</del>	L.	5938759	8/17/99	Kamijo	712	209	
<del>M.</del>	M.	5943249	8/24/99	Handlogten	708	496	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

**NON-PATENT DOCUMENTS**

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.		
	R.		
	S.		
	T.		
	U.		

EXAMINER

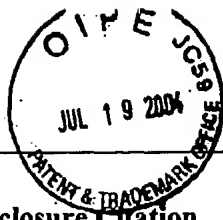
D.H. Malczahn

DATE CONSIDERED

9/13/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.





PTO-1449

**Information Disclosure Citation  
in an Application**

Patent No.

09/870,711

Applicant(s)

Michael I. Catherwood

Docket Number

068354.1446

Group Art Unit

2124

Filing Date

June 1, 2001

**U.S. PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	5941940	8/24/99	Prasad et al.	708	523	
	B.	5951679	9/14/99	Anderson, et al.	712	241	
	C.	5951627	9/14/99	Kiamilev et al.	708	404	
	D.	5991787	11/23/99	Abel et al.	708	400	
	E.	5996067	11/30/99	White	712	224	
	F.	6009454	12/28/99	Dummermuth	718	108	
	G.	6014723	1/11/00	Tremblay et al.	711	1	
	H.	6026489	2/15/00	Wachi et al.	712	241	
	I.	6044392	3/28/00	Anderson et al.	708	551	
	J.	6044434	3/28/00	Oliver	711	110	
	K.	6061783	5/00	Harriman, Ward	712	224	
	L.	6061711	5/00	Song et al.	718	108	
	M.	6058409	5/2/00	Kozaki et al.	708	409	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

**NON-PATENT DOCUMENTS**

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.		
	R.		
	S.		
	T.		
	U.		

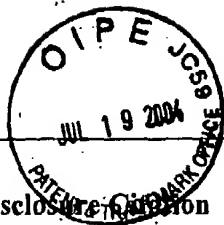
EXAMINER

D. H. Malzahn

DATE CONSIDERED

9/13/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PTO-1449

**Information Disclosure Statement  
in an Application**

Patent No.

09/870,711

Applicant(s)

Michael I. Catherwood

Docket Number

068354.1446

Group Art Unit

2124

Filing Date

June 1, 2003

**U.S. PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<del>A.</del>	<del>6058410</del>	<del>5/2/00</del>	<del>Sharangpani</del>	<del>708</del>	<del>551</del>		
<del>B.</del>	<del>6058464</del>	<del>5/2/00</del>	<del>Taylor</del>	<del>711</del>	<del>217</del>		
<del>C.</del>	<del>6061780</del>	<del>5/9/00</del>	<del>Shippey, et al.</del>	<del>712</del>	<del>204</del>		
<del>D.</del>	<del>6076154</del>	<del>6/13/00</del>	<del>Van Eijndhoven et al</del>	<del>712</del>	<del>24</del>		
<del>E.</del>	<del>6101599</del>	<del>8/00</del>	<del>Wright et al.</del>	<del>712</del>	<del>228</del>		
<del>F.</del>	<del>6101521</del>	<del>8/8/00</del>	<del>Kosiec</del>	<del>708</del>	<del>550</del>		
<del>G.</del>	<del>6115732</del>	<del>9/5/00</del>	<del>Oberman et al.</del>	<del>708</del>	<del>625</del>		
<del>H.</del>	<del>6128728</del>	<del>10/3/00</del>	<del>Dowling</del>	<del>712</del>	<del>228</del>		
<del>I.</del>	<del>6134574</del>	<del>10/17/00</del>	<del>Oberman et al.</del>	<del>708</del>	<del>551</del>		
<del>J.</del>	<del>6144980</del>	<del>11/00</del>	<del>Oberman, Stuart F.</del>	<del>708</del>	<del>627</del>		
<del>K.</del>	<del>6145049</del>	<del>11/7/00</del>	<del>Wong</del>	<del>710</del>	<del>267</del>		
<del>L.</del>	<del>6205467</del>	<del>3/01</del>	<del>Lambrecht et al.</del>	<del>718</del>	<del>108</del>		
<del>M.</del>	<del>6243804</del>	<del>6/01</del>	<del>Cheng, Chuck Cheuk-wing</del>	<del>712</del>	<del>228</del>		

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.							
	O.							
	P.							

**RECEIVED****NON-PATENT DOCUMENTS**

JUL 22 2004

Technology Center 2100

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.		
	R.		
	S.		
	T.		
	U.		

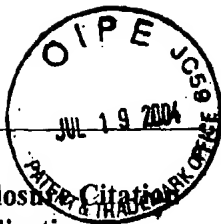
EXAMINER

D.H. Malzuka

DATE CONSIDERED

9/13/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PTO-1449

**Information Disclosure  
in an Application**

Patent No.

09/870,711

Applicant(s)

Michael I. Catherwood

Docket Number

068354.1446

Group Art Unit

2124

Filing Date

June 1, 2001

**U.S. PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	6295574	9/01	MacDonald, James R.	710	261	
	B.	6377619	4/02	Denk et al.	708	322	
	C.	6412081	6/02	Koscal et al.	714	34	
	D.	6487654	11/02	Dowling, Eric M.	712	244	
	E.	6633970	10/03	Clift et al.	712	217	
	F.	6523108	2/03	James et al.	712	224	
	G.	6564238	5/03	Kim et al.	708	513	
	H.						
	I.						
	J.						
	K.						
	L.						
	M.						
	N.						

**RECEIVED**

JUL 22 2004

Technology Center 2100

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	O.							
	P.							
	Q.							

**NON-PATENT DOCUMENTS**

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	R.		
	S.		
	T.		
	U.		

EXAMINER

D.H. Malczuk

DATE CONSIDERED

9/13/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.